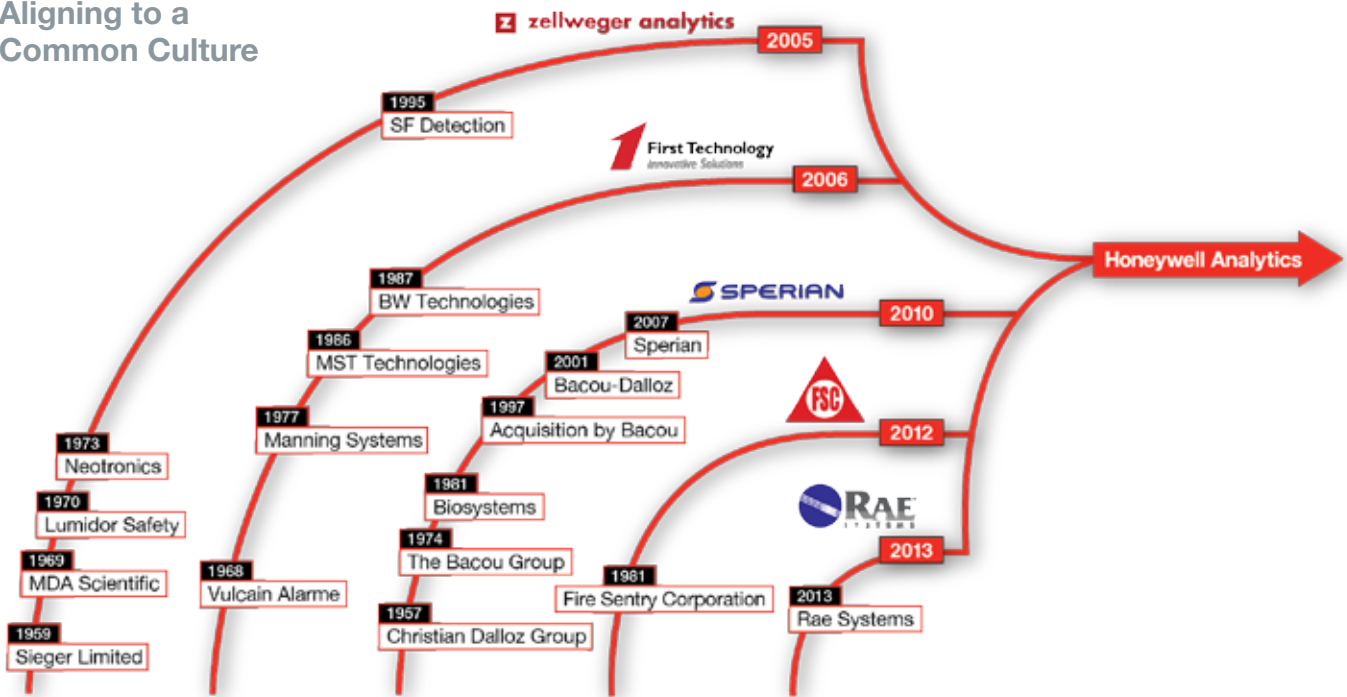# Honeywell Gas Detection

Honeywell

Product Overview

Honeywell Analytics

Experts in gas detection

With 50 years experience in the industry, we have been influential in gas detection since the very beginning. Many of our historic products set new benchmarks for gas detection in terms of performance, ease of use and innovation. Today, our product lines have evolved to meet the requirements of diverse industries and applications, delivering comprehensive solutions designed to drive down the cost of gas detection, whilst providing enhanced safety.

Aligning to a Common Culture

Served Industries:

- Offshore Oil and Gas Platforms
- Floating Production Storage and Offloading vessels
- Tankers
- Onshore Oil and Gas terminals
- Refineries
- LPG Bottling Plants
- Gas Compressor Stations
- Gas and Oil Metering Stations
- Gas Turbine Driven Power Plant
- Conventional Power Plant
- Paper Coating and Printing Machines
- Distilleries
- Breweries
- Frozen Food Freezer and Storage Plant
- Pharmaceutical Production Plants

- Chemical production Plant
- Semiconductor Production Facilities
- Photo Voltaics Manufacturing
- Industrial Gases Handling and Storage
- Space Industry
- Aircraft Storage and Maintenance Hangers
- Tank Farms
- Communications Industry
- Waste Water Treatment Plant
- Chemical Plants
- Boiler Rooms
- Hospitals
- Tunnels/Car Parks and many more

At Honeywell Analytics our key focus is our customers. We believe that the evolution of gas detection should be driven by the people using our equipment, rather than engineers deciding the needs of industry. With this in mind, we listen to what our customers want, refine our solutions to meet changing demands and we grow as our customers grow to ensure we are able to provide an added value service that meets individual requirements.

Honeywell's mission is to save lives every day, in every industry, in every continent.

Portable and Wireless

Honeywell Gas Detection offers a range of portable products featuring intuitive, single button operation, affordability and incredible ease of use, helping to minimise training requirements and ongoing costs.

BW Technologies by Honeywell

GasAlertQuattro
Feature rich multi-gas device with simple one-button operation

GasAlertMicroClip XL
Rugged, ultra-compact, lightweight continuous monitoring of up to 4 gas hazards

GasAlertMicro 5
Continuous monitoring of up to 5 gas hazards at an attractive price point

GasAlertMax XT II
Multi-gas detector with simultaneous monitoring of up to 4 gas hazards

BW Clip
maintenance-free single-gas detector, The most user-friendly, reliable and cost-effective way to ensure safety, compliance and productivity.

GasAlert Extreme
Reliable single-gas monitoring with a wide variety of toxic gases supported

IntelliDox
Automated instrument management system, Get more from your BW Clip — with unmatched performance and customization

MicroDock II
Quick, cost effective automatic bump testing of GasAlert range of portable gas detectors

FleetManager
Simple data storage and analysis, allow user to manage datalogs, configure detectors, generate reports and email alert, and share information

RAE SYSTEMS by Honeywell

ToxiRAE II
single-gas personal protection, a simple-to-use one-button instrument

ToxiRAE 3
Full-featured single-gas monitor with STEL, TWA, high, and low alarms

ToxiRAE Pro Family
Safety professionals wireless access to real-time readings and alarm status from any location for better visibility and faster response

QRAE II
Full-featured, compact, compliance monitor for oxygen, combustibles, hydrogen sulfide, and carbon monoxide.

QRAE 3
A wireless compact monitor for one to four gases wireless, can deliver real-time instrument readings and alarm status 24/7.

MultiRAE Family
The most advanced wireless portable chemical detector on the market, can be configured with more than 30 intelligent

MiniRAE 3000
Uses a third-generation patented PID, provides full-range measurement From 0 to 15,000 ppm and up to six months of datalogging.

ppbRAE 3000
A comprehensive VOC gas monitor and datalogger for hazardous environments, with a 9.8 eV or 10.6 eV UV-discharge lamp.

UltraRAE 3000
A compound-specific monitor that can detect benzene from 50 ppb to 200 ppm and other VOCs from 0.05 to 10,000 ppm. In benzene-specific mode

AutoRAE Lite
a high-speed, low-operation-cost bump test and calibration station

AutoRAE 2
Automatic Test and Calibration System makes compliance with gas monitor test and calibration requirements

Honeywell

ToxiPro®
A durable, high performance portable unit designed to offer single gas detection in tough environments

MultiPro™
A flexible, robust device designed to detect up to four gas hazards simultaneously (CO, O_2, H_2S and flammable gases)

PHD6™
A 6 gas detector for challenging environments where PID is required

Impact Range
High specification device capable of monitoring four gases simultaneously

ToxiPro IQ Express Docking Station
A docking solution for ToxiPro® that simplifies fleet management and offers bump testing, calibration and datalogging

MultiPro IQ Express Docking Station
The MultiPro™ IQ Express™ is a docking solution that simplifies fleet management and offers bump testing, calibration and datalogging

IQ6 Docking Station
A docking solution for PHD6™ that simplifies fleet management and offers bump testing, calibration and datalogging

Enforcer
Quick, automatic calibration of Impact Pro for the cost of a bump test

MiniMax XT
A single gas detector with two-year, always-on operation, durable IP67 casing and Real Time display option

MiniMax XP
A single gas detector with advanced, full feature functionality, user configurability with replaceable sensor

MiniMax X4
An easy to use personal gas detector, designed for monitoring the atmosphere for potentially hazardous levels of CO, O_2, H_2S and flammable gases

Wireless

AreaRAE
Multi-gas, wireless monitor with embedded RAELink modem for real-time wireless communication with ProRAE Guardian

MeshGuard
2-point field calibration, and the sensor, filter, and battery are easy to replace. All sensor and alarm data are wirelessly transmitted to a remote base station.

RAELink 3
Communicate sensor data and GPS coordinates to a command center's PC running ProRAE Guardian Software up to 2 miles (3 km) away

RAELink 3 Mesh
Commanders and safety professionals with remote access to real-time readings, alarm status and location, automatically links to RAE Systems portable gas and radiation monitors.

RAEMesh Reader
Receives data wirelessly from remote detectors, and pushes data to ProRAE Guardian software, and data directly to a PC via RS232, or to a remote PC via Ethernet

EchoView Host
Establish a self-contained wireless network with up to eight RAE Systems portable monitors and display their real-time readings and alarm status on an easy-to-read screen.

EchoView
Monitor MeshGuard sensor network remotely. It displays the sensor readings of up to 16 MeshGuard detectors on a wireless network and retrieves all monitor

Mesh Router
Extends the range of wireless, up to 3 Mesh Routers can be deployed to extend the communication range between the monitors and the EchoView Host

FMC 2000
A multi-channel wireless controller designed for integration with RAE Systems' MeshGuard intelligent network of connected monitors.

ProRAE Guardian
Advanced-generation real-time wireless gas-detection software application serves as a mobile command center for all your threat-detection needs.

Gas Tube & Radiation

Radiation

DoseRAE 2
DoseRAE 2 is a compact, lightweight, direct-reading, alarming electronic personal radiation detector. It uses a diode and a scintillation crystal to detect X- and gamma radiation, and provides real-time monitoring of personal dose and dose rate.

DoseRAE Pro
DoseRAE Pro is a rugged, lightweight, direct reading electronic personal dosimeter that provides superior dose monitoring accuracy.

GammaRAE II R
The GammaRAE II R is two instruments in one: it has the rapid, sensitive response of a detector and the accurate dose measurement of a dosimeter. It is designed specifically to meet the needs of first responders. The GammaRAE II R contains two separate sensors.

NeutronRAE II
The NeutronRAE II is a gamma and neutron Personal Radiation Detector (PRD) designed for first responders. It is the first immersible, rapid detector of ϒ-ray (gamma) and neutron sources.

miniDOSE
The miniDOSE is an easy-to-use electronic personal dosimeter that records X-ray and/or Gamma radiation dose accumulated every day with built-in datalogging and micro-USB communication to a computer.

Gas Tube and Hand Pump
Honeywell colorimetric gas detection tubes enable quick, on-the-spot measurement of a wide range of toxic and combustible gases and vapors. Honeywell tubes are easy to read, and provide a sharp, clear color change directly corresponding to the concentration of gas present. Honeywell tubes are compatible with the Honeywell piston hand pump, a reliable way to draw samples of an exact volume required for the most accurate measurements.

CONNEXT SAFETY SOLUTIONS

CONNEXT PACK

Need a quick gas detection solution to address a routine maintenance or compliance monitoring project? Honeywell ConneXt Pack family of application-focused wireless kits gives you the simplicity you want with the real-time knowledge you demand.

CONNEXT PLUS

Configurable and powerful,It is designed to fulfill your short-term monitoring needs by linking each component together through portable infrastructure for real-time connectivity.

CONNEXT PRO

Designed to be the ultimate in wireless gas detection. Honeywell ConneXt Pro is a full enterprise solution that delivers the most comprehensive features and highest level of real-time intelligence. You can monitor operation areas and track personnel through an "always on, always ready" permanent infrastructure communication network.

ConneXt Solution Comparison Chart

Solutions ▶	ConneXt PACK	ConneXt PLUS	ConneXt PRO
Overview	Real-time Connectivity with Deployable, Ease-of-use Rapidly Deploy able, turn-key Operation	Versatile Options, Customized to Match Your Needs	Most Comprehensive Features, including Exclusive Options
Used for	TEAM	ZONE and/or Group	FACILITY-WIDE
Used During	Select applications	Maintenance Projects, Emergency Response, Emissions Monitoring, IH Sampling	Available for ALL Activities Facility-Wide, Including Daily Operations
Usage Examples	Worker health status monitoring during confined space entry	Leak detection, confined space entry, emergency response, hot works during refinery turnaround	All ConneXt Plus applications plus fence line monitoring, asset protection & chronic health issues
Real Time Monitoring Points	8	64	200
Location Tracking	No	Yes	Yes
3rd Party System Integration	No	Yes	Yes
Wireless Infrastructure	Temporary Closed loop w portable controller (Stand Alone)	Temporary Portable wireless modems (Networkable)	Permanent Fixed access points (Always On, Always Ready)

Fixed

Our range of fixed gas detection equipment features a variety of options suited to all types of application and industries.

Gas Detection

XNX Universal Transmitter
A universal transmitter compatible with all Honeywell Analytics gas sensor technologies

Series 3000 MkII and MkIII
2-wire loop powered toxic and Oxygen gas detectors for use in potentially explosive atmospheres

Sensepoint XCD RFD
A flammable gas transmitter for use with remotely mounted flammable gas sensors

Sensepoint XCD RTD
A gas transmitter for use with directly or remotely mounted toxic and Oxygen gas sensors

Sensepoint XCD
Flammable, toxic and Oxygen transmitter and sensor with tri-colour display for viewing status from a distance

Searchpoint Optima Plus
Market leading point IR detector with 100 gases available. Optional HART® over 4-20mA output

HALO LED Junction Box with optional HART® Port
For use with Searchpoint Optima Plus delivering a local display and visual device status. Non-intrusive interaction with the HART®-enabled model variant

RAEGuard 2 PID
The RAEGuard 2 PID is a fixed photoionization detector (PID) that measures a broad range of volatile organic compounds (VOCs).

Sensepoint High Temperature Sensor
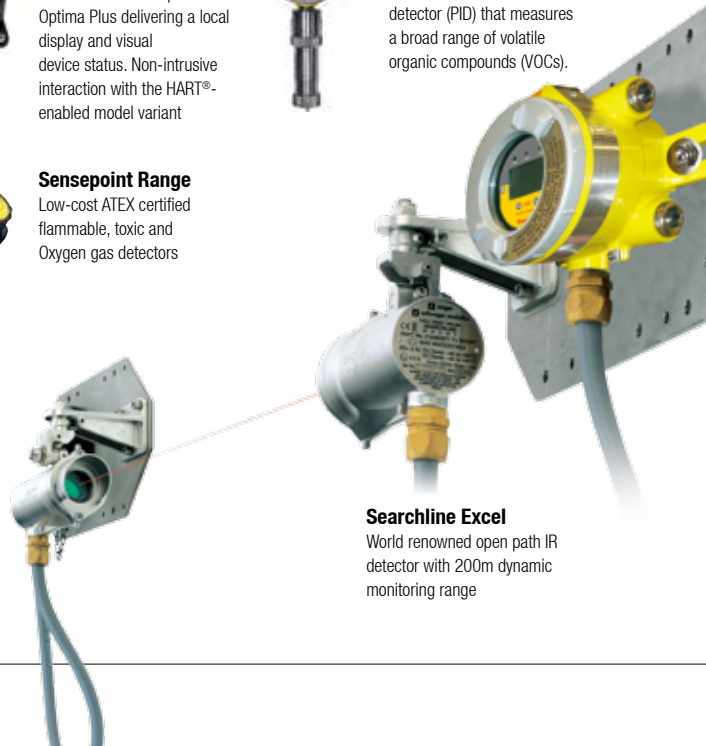Ideal for combustible gases in high temperature areas

Signalpoint Range
Low cost range of flammable, toxic and Oxygen gas detectors

Sensepoint Range
Low-cost ATEX certified flammable, toxic and Oxygen gas detectors

Searchline Excel
World renowned open path IR detector with 200m dynamic monitoring range

Controllers

Our selection of controllers offer flexibility and a modular approach that allows you to meet the individual requirements for your specific site.

System 57
Precision controller accepting inputs from toxic, flammable, Oxygen, flame, smoke and heat

Touchpoint Plus
Easily configurable, wall mounted control system that supports up to eight channels of gas detection

Touchpoint Pro
The most flexible architecture on the market, Centralised or distributed configurations, or a bit of both – it's your choice

Unipoint
DIN rail mounted controller offering flexibility at low-cost

Fire and Flame

Our range of fire and flame detectors provides a variety of options suited to diverse applications and industries.

FS24X
Multi-Spectrum QuadBand Triple IR Fire and Flame Detectors with the highest fire detection performance and optimal false alarm rejection

FS20X
Multi-Spectrum UV/Dual IR/VIS Fire and Flame Detector with UV solar-blind sensor

SS4
Leading edge UV and UV/IR Electro-Optical Digital Fire and Flame Detectors

SS3
Fast reacting Digital Multi-Spectrum Electro-Optical Fire and Flame Detectors

SS2
Multi-Spectrum Digital Electro-Optical Flame Detectors with ultra-high speed responses to explosive fires

FS7
Electro-Optical Fire and Flame Detector specifically for semiconductor clean room fire protection applications

FS10
Multi-spectral digital electro-optical Infrared fire detector specifically for liquid and powder coating applications

Residential

Residential properties are susceptible to toxic and flammable gas hazards and our range of gas detection solutions offers protection and peace of mind in the home, on holiday or whilst undertaking leisure activities such as caravanning.

X-Series
Next-generation CO detector features three variants, XC70 (seven year warranty), XC100 (ten year warranty and unique alarm messaging) and XC100D (ten year warranty and LCD)

HF500
Hard-wired flammable gas alarms for the detection of Natural Gas/Methane and LPG (Liquefied Petroleum Gas)
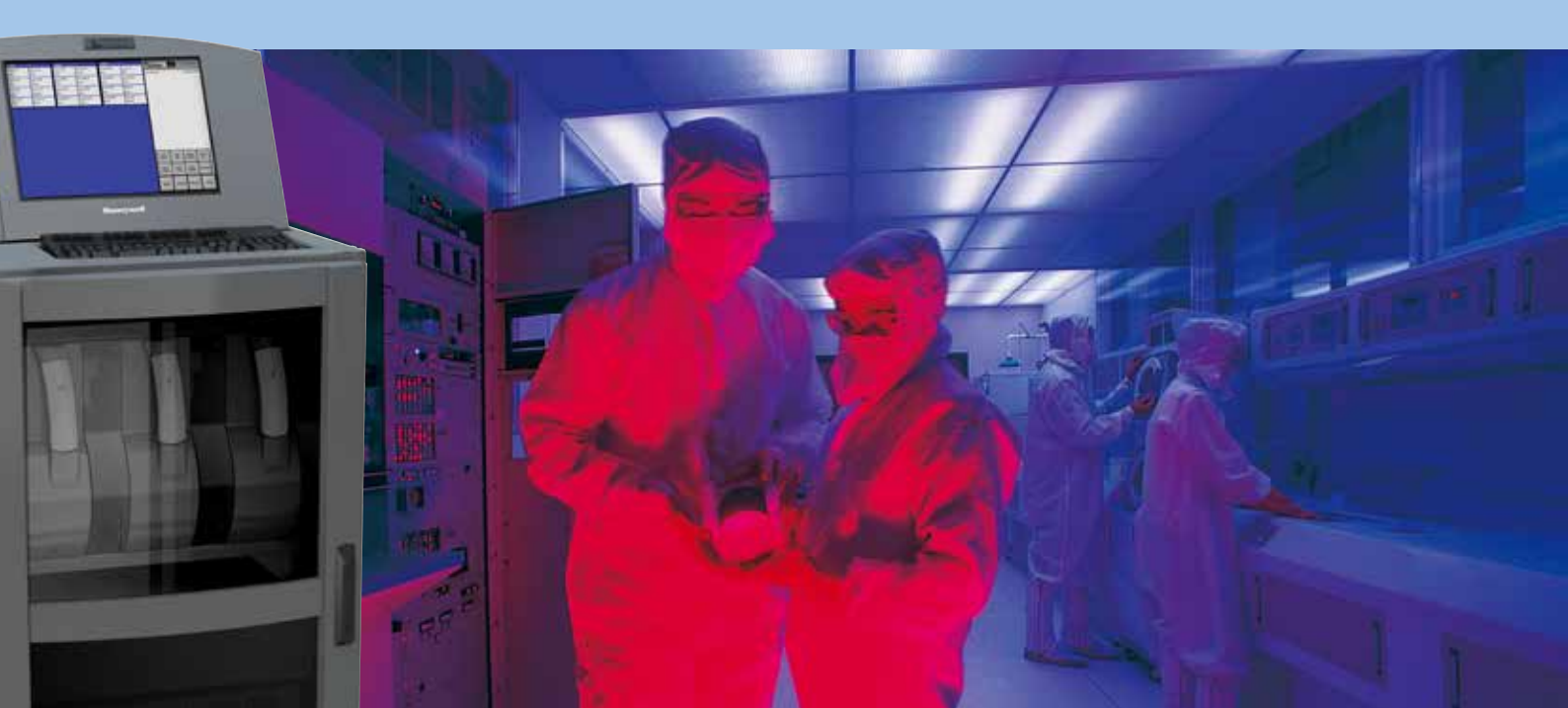
SF340 Series
A range of reliable, hard-wired Carbon Monoxide alarms with battery backup

e²sense
A pen shaped portable flammable gas detector ideal for the detection of hazards from pipes, fittings, valves and hot water heaters etc

Safely and Easily !

Hi-Tech

For semiconductor fabs, photovoltaics manufacturing, laboratories and other applications such as foaming facilities and aerospace where low levels (ppb) of toxic and flammable gas need to be detected.

Vertex M
Cost effective, 8-24 points of continuous toxic gas monitoring, ppb level detection using Chemcassette® technology

Vertex™
Fully redundant system providing ultimate safety for mission critical applications, up to 72 points of continuous toxic gas monitoring, ppb level detection using Chemcassette® technology

Midas®
Sensitive detection using smart sensor cartridges and Power over Ethernet (PoE)

Chemcassette®
Calibration free toxic gas detection with physical evidence of a leak

Satellite XT
Small and compact toxic gas detection with a wide range of sensors

Sat-Ex
Comprehensive monitoring of corrosive, combustible and toxic gases in potentially explosive atmospheres

SPM Single Point Monitor
A fast response device detecting in the ppb range with physical evidence of a leak

ACM 150
Versatile and sensitive detection, utilizing FTIR technology, up to 40 points with extensive gas library

CM4
Cost effective, low maintenance, 4 point analyzer, continuous toxic gas monitoring, ppb level detection using Chemcassette® technology

FAAST
Patented dual-sensing, high-sensitivity, early aspiration smoke detector, designed to protect mission-critical facilities from downtime and smoke and fire damage

LeakFilm
Fast responding, innovative design for flexible installation, user-friendly technology for liquid leak detection.

SPM Flex
Portable gas detector engineered to detect gas at ppb levels, with an intuitive design, suitable for clean rooms, yet rugged enough to withstand extreme outdoor environments

FAAST XT
FAAST XT is a large coverage area aspirating smoke detector which utilizes unique two light sensing technology to provide high sensitivity to smoke, with increased resistance to nuisance conditions, designed to protect mission critical facilities from downtime and smoke and fire damage.

Commercial

We offer a comprehensive range of gas monitoring instrumentation for commercial buildings. Honeywell Analytics is focused on delivering maximum safety and cost efficiency.

IAQPoint2
Improve indoor air quality and cut energy costs with CO_2 or VOCs, temperature and humidity monitoring for demand control ventilation.

E³Point
Make your operation run more intelligently to protect people, property and your bottom line. Protect parking structures, indoor stadiums, commercial kitchens and more.

301C
Gas detection controller offering unique zoning capabilities which permit the averaging and comparison of multiple sensor readings.

ToxyPoint
The two-wire transmitter provides maintenance-free continuous monitoring for carbon monoxide.

301EM-20
The complete solution for mechanical rooms. Monitor up to 20 sensors for refrigerant, toxic and combustible gases.

SQN8x
For the monitoring of wide variety of refrigerants or other toxic and explosive gases in a surveillance area of up to 8 different zones by the sample draw gas detection system.

EC-FX
A new and improved approach to ammonia gas detection

EC-F9
Industry leading performance in ammonia detection technology.

IR-F9
Protect the environment while protecting your bottom line — with precise Infrared refrigerant gas sensing solutions.

Vent Line
Continuously monitor for potential leaks in the vent lines of refrigeration systems.

GM-JR
Stand alone module provides the versatility of a remote warning device, or a readout and relay inside a sensor housing.

AirAlert 96d
Multi-channel gas detection controller that can support up to 96 sensors and relay modules. Durable enclosure ideal for industrial and commercial applications.

LeakFilm
Fast responding, innovative design for flexible installation, user-friendly technology for liquid leak detection.

Honeywell Analytics Lines of Business

Commercial

Gas detection from standalone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance.

» Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies.

» Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial

Portables

Single or multi-gas detectors ranging from compact, lightweight designs for personal protection to systems-based, networkable instrumentation for industrial hygiene.

» Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets

High Tech/Government

Reliable gas and chemical detection including infrared spectroscopy (MST) with no cross interference, to Chemcassette paper-based solutions (MDA Scientific) offering detection down to parts per billion.

» Applications: semiconductor manufacturing, aerospace propulsion, specialty chemicals industry, research laboratories, emergency response

Technical Services

24/7 global network includes post-sales service and Systems Integration teams.

» Emergency call out, service contracts, on/off-site repair, training and commissioning
» Complete range of spares, consumables and accessories

Customer business centre

Korea
#701 Kolon Science Valley (1)
43 Digital-Ro 34-Gil, Guro-Gu
Seoul 152-729
Korea
Tel: +82 (0)2 6909 0300
Fax: +82 (0)2 2025 0328
Analytics.ap@honeywell.com

Singapore
Level 1, Honeywell Building,
17 Changi Business Park Central 1
Singapore 486073
Tel: +65-65803776
Fax: +65-65803663

Australia
Unit 1B, 69 Dalton Road
Thomastown, Victoria 3074
Tel: +61-3-94642770
Fax: +61-3-94642772
haa@honeywell.com

Japan
New Pier Takeshiba South Tower 20F 1-6-1
Kaigan Minato-ku
Tokyo 105-0022 Japan
+81-3-6730-7320
+81-3-6730-7224

India
Sec-36, Pace City-II, Gurgaon
Haryana-122004, India
Tel: +91-124 4752700
Fax: +91-124 4752750
honeywellanalytics.india@honeywell.com

Technical Services
AP: ha.ap.service@honeywell.com
EMEA: ha.emea.service@honeywell.com
US: ha.us.service@honeywell.com

www.honeywell.com

Honeywell